

Work Order ID 162142

Friday, May 26, 2017 3:08:46 PM

162142

Page 1

Item ID:	646.4002	Accept	*N900040100*	Setup	Start	*NS1*
Revision ID:					Stop	*NS2*
Item Name:	AS350 Wiper Deflector					
Start Date:	6/12/2017	Start Qty:	1.00	*1*	Cust Item ID:	
Required Date:	6/16/2017	Req'd Qty:	1.00	*1*	Customer:	
Reference:	SCHEDULED/C					
Approvals:	Process Plan:	Date:	MAY 26 2017	Tooling:	Date:	
	QC:	Date:		SPC (Y/N):	Date:	
					Run	Start *NR1*
					Stop	*NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

68-6
9
DAS

JUN 06 2017

DAS
28
9-89

JUN 16 2017

DAS
6
9-89

JUN 16 2017
JUN 16 2017
DAS
27
9-89

DAS
28
9-89

JUN 16 2017

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Item ID: 646.4002 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Wiper Deflector
Start Date: 6/12/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 6/16/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference: SCHEDULED/C

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP 646.4002 Location : FG102								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

DAS
28
1 89

JUN 1 6 2017

DAS
21
9-89

JUN 1 6 2017

DAS
21
9-89

JUN 1 6 2017

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646 4002

Required Date: 6/16/2017

Required Qty: 1.00

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3410 *646.3410* LH Wiper Deflector		Manufactured	No			110	Each	18.0000	1	1		JUN 16 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				cck010			18						
					125083		13						
					<u>97822</u>		5						
646.3411 *646.3411* RH Wiper Deflector		Manufactured	No			110	Each	16.0000	1	1		JUN 16 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				cck010			16						
					125083		10						
					<u>97823</u>		6						
NAS1149F0332P *NAS1149F0332P* Washer		Purchased	No			110	Each	2,116.000	16	16		JUN 16 2017	DAS 27 9-89
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				GA			275						
					m133709		275						
				ST262			1841						
					m137075		41						
					<u>m137412</u>		1800						

Picklist Print

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Work Order ID: 162142

162142

Parent Item: 646.4002

646 4002

Parent Item Name: AS350 Wiper Deflector

Start Date: 6/12/2017

Required Date: 6/16/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

110

Each

1,556.000

6

6

MS21042L3

**

Nut

Location

Loc Qty

Loc Code

FP001

91

m135945

91

GA

458

m134360

102

M136665

356

ST303

1007

m137321

7

m137495

1000

MS27039-1-19

Purchased

No

110

Each

435.0000

2

2

MS27039-1-19

**

Screw

Location

Loc Qty

Loc Code

GA

80

m134134

80

over006

300

m137361

300

ST280

55

m137075

55

DAS
6
9-89

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DAS
28
9-89

JUN 16 2017

DAS
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DAS
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9-89

DAS
28
9-89

Picklist Print

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Work Order ID: 162142

162142

Parent Item: 646.4002

646 4002

Parent Item Name: AS350 Wiper Deflector

Start Date: 6/12/2017

Required Date: 6/16/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-18

Purchased

No

110

Each

1,612.000

2

2

MS27039-1-18

Screw

**

JUN 16 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

239

123522

39

124326

200

over006

1200

124326

1200

ST280

173

124326

173

646.3814

Manufactured

No

110

Each

0.0000

2

2

646 3814

Wiper Bracket

600.1012

Purchased

No

110

Each

21.0000

1

1

600 1012

Sealant PR1425B2 (#654 sem)

**

JUN 16 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck017

21

m136838

1

m137321

6

m137371

14

MS24694-S53

Purchased

No

110

Each

253.0000

2

2

MS24694-S53

SCREW

**

JUN 16 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

253

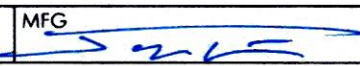
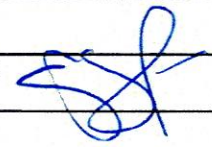
113359

253

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Shop Packet Print

Page 3

 APICAL INDUSTRIES, INC. dba DART AEROSPACE	ENGINEERING CHANGE NOTICE NO. 05304				SHEET 1 OF 1	
	DWG NO. 646.4000	REV: C	PREPARED BY J. BECKER	DATE: 02/04/16		EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT					
	APPROVED BY: ENGR. 	MFG 	QC 	EFF. NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 12.					ECR: N/A

ACTION ITEM:
1. N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 162142 
MAY 26 2017

SHEET 1, BOM IS:

12	R	601.1624	8	16	LOCKNUT	MS21042L3	
F/N	TC	PART NUMBER	4006	4005	DESCRIPTION	MATERIAL	SPECIFICATION
		QTY					
DOCUMENTS EFFECTED:					CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM					☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

NOTES:
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- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILET EDGES.
- 2 INSTALL F/N 14 WITH F/N 52 & 53.
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
- 5 REUSE FASTENERS FROM F/N 1.
- 6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
- 8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT, REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
- 9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

QTY	4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.
							42	601.1956	SCREW	MS20299-1-21	
							43	601.1952	SCREW	MS20299-1-20	
							44	601.1948	SCREW	MS20299-1-10	
							45	646.3717	DOUBLER		
							46	646.3718	CUSTOM WASHER		
							47	646.3719	DOUBLER		
							48	601.1365	SCREW	MS20299-1-10	
							49	601.2910	SCREW	MS20299-1-18	
							50	646.3814	WIPER BRACKET		
							51	601.2826	BOLT	AN6-11A	
							52	600.0990	MAONORON 6398 PART A		
							53	600.0991	MAONORON 6398 PART B		
							54	600.1012	SEALANT	PM-102 CLASS B	
							55	600.0129	VHB TAPE		
							56	600.1013	PRIMER		
							57	646.3910	SHIM		
							58	646.3911	SHIM		
							59	646.3912	SHIM		
							60	646.3913	SHIM		
							61	601.2763	BOLT	AN6-12A	
							62	601.2637	SCREW	MS20299-1-16	
							63	601.2911	SCREW	MS2049655	
							64	601.3151	WASHER	MA511490036P	
							65	647.5701	GPS MOUNT KIT		
							66	650.9201	EYE BRACKET ASSY		
							67	601.3121	EYE BOLT	AN6-3A	
							68	601.3119	CLEVIS	AN605-34P	
							69	601.2669	BOLT	AN607A	
							70	601.2638	WASHER	MA511490037P	
							71	601.3209	LOCKNUT	MS21024	
							72	601.3128	NUT	AN61048P	
							73	601.2943	LOCKNUT	MS21042-3	
							74	601.2988	SCREW	MS20299-0813	
							75	601.2973	LOCKNUT	MS21042-08	
							76	601.2764	WASHER	MA511490037P	
							77	646.9410	SHIM		
							78	601.3875	SCREW	MA511490037P	

UNINCORPORATED ECN(S)

05304

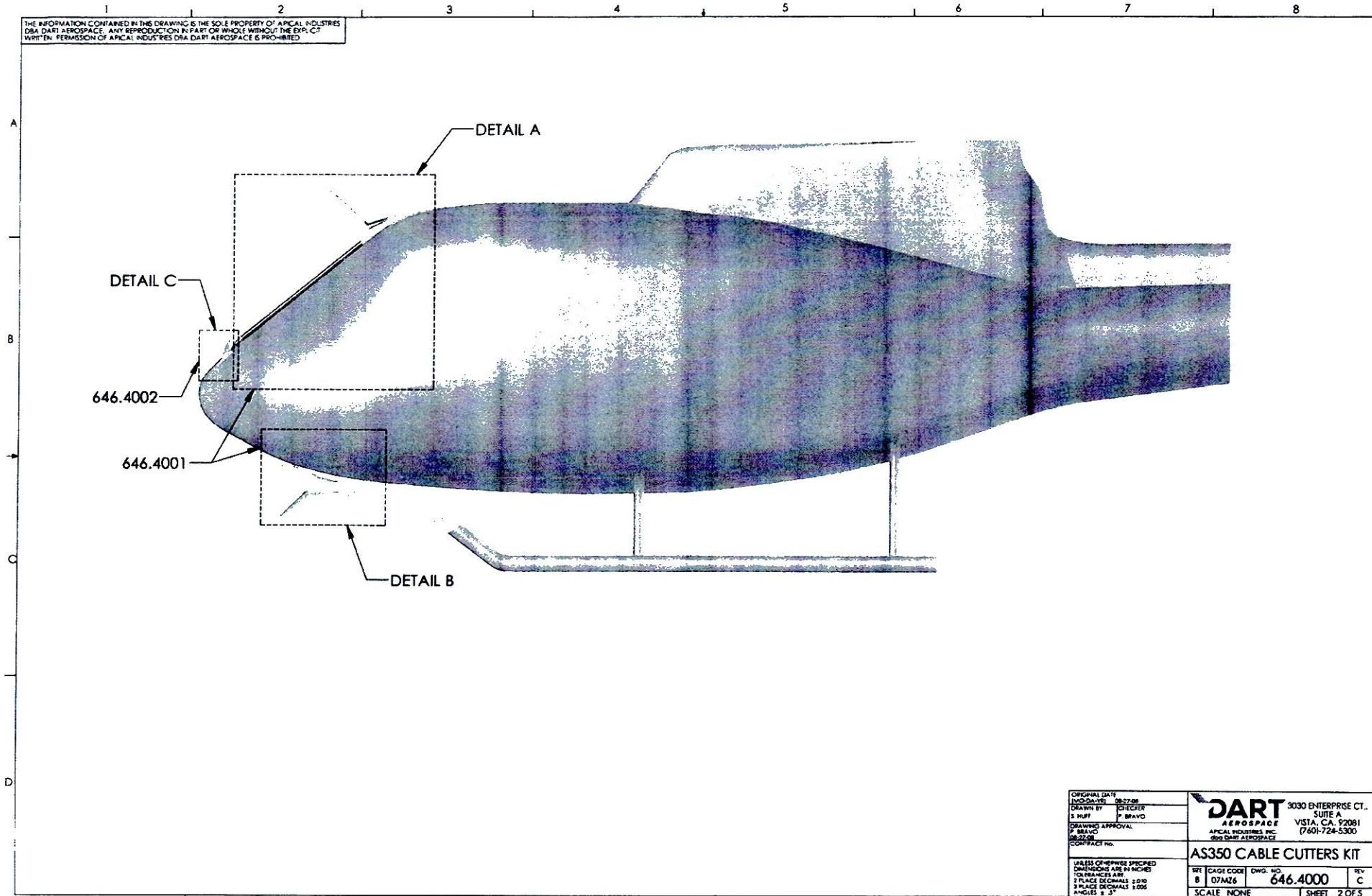
QTY	4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.
							X	646.4001	AS350 CABLE CUTTERS KIT		
								646.4002	AS350 WIPER DEFLECTOR KIT		
								646.4003	CABLE CUTTERS KIT W/SHIM FIBER PROVISIONS KIT		
								646.4004	FIXED PROVISIONS KIT		
								646.4005	LOWER CUTTER PROVISIONS KIT		
								646.4006	LOWER CUTTER PROVISIONS KIT		
								646.3301	UPPER CUTTER ASSY		
								646.3301	LOWER CUTTER ASSY		
								646.2910	DEFLECTOR		
								646.3810	BRACKET		
								646.3510	STRUT		
								646.3511	STRUT		
								647.0112	STRUT BRACKET		
								647.7703	STRUT ASSY		
								646.3411	RM WIPER DEFLECTOR		
								646.3410	LH WIPER DEFLECTOR		
								601.1607	WASHER		
								601.1624	LOCKNUT		
								646.3110	CHANNEL		
								646.3710	DOUBLER		
								646.3210	SUPPORT		
								646.3713	SCREW		
								601.2912	SCREW		
								601.2827	BOLT		
								601.2823	BOLT		
								601.2020	RIVET		
								601.2832	RIVET		
								646.3711	CUP		
								646.3712	CUP		
								646.3811	RADIUS BLOCK		
								601.2825	BOLT		
								601.2830	SCREW		
								646.3610	FILTER		
								646.3714	GUSSET		
								601.2564	RIVET		
								646.3812	GUSSET BRACKET		
								601.2822	BOLT		
								646.3813	STRUT BRACKET		
								601.2565	RIVET		
								600.0795	NUT/PLATE		
								601.2277	RIVET		
								601.2824	BOLT		
								646.3715	STRUT DOUBLER		
								601.1953	SCREW		
								646.3716	GAUGE BRACKET		
								601.2831	RIVET		
								601.2829	SCREW		

REV	DESCRIPTION	DATE	BY	CHKD
1	REWORK	10/27/04	10/27/04	10/27/04
2	REWORK	10/27/04	10/27/04	10/27/04
3	REWORK	10/27/04	10/27/04	10/27/04

REV	DESCRIPTION	DATE	BY	CHKD
1	REWORK	10/27/04	10/27/04	10/27/04
2	REWORK	10/27/04	10/27/04	10/27/04
3	REWORK	10/27/04	10/27/04	10/27/04

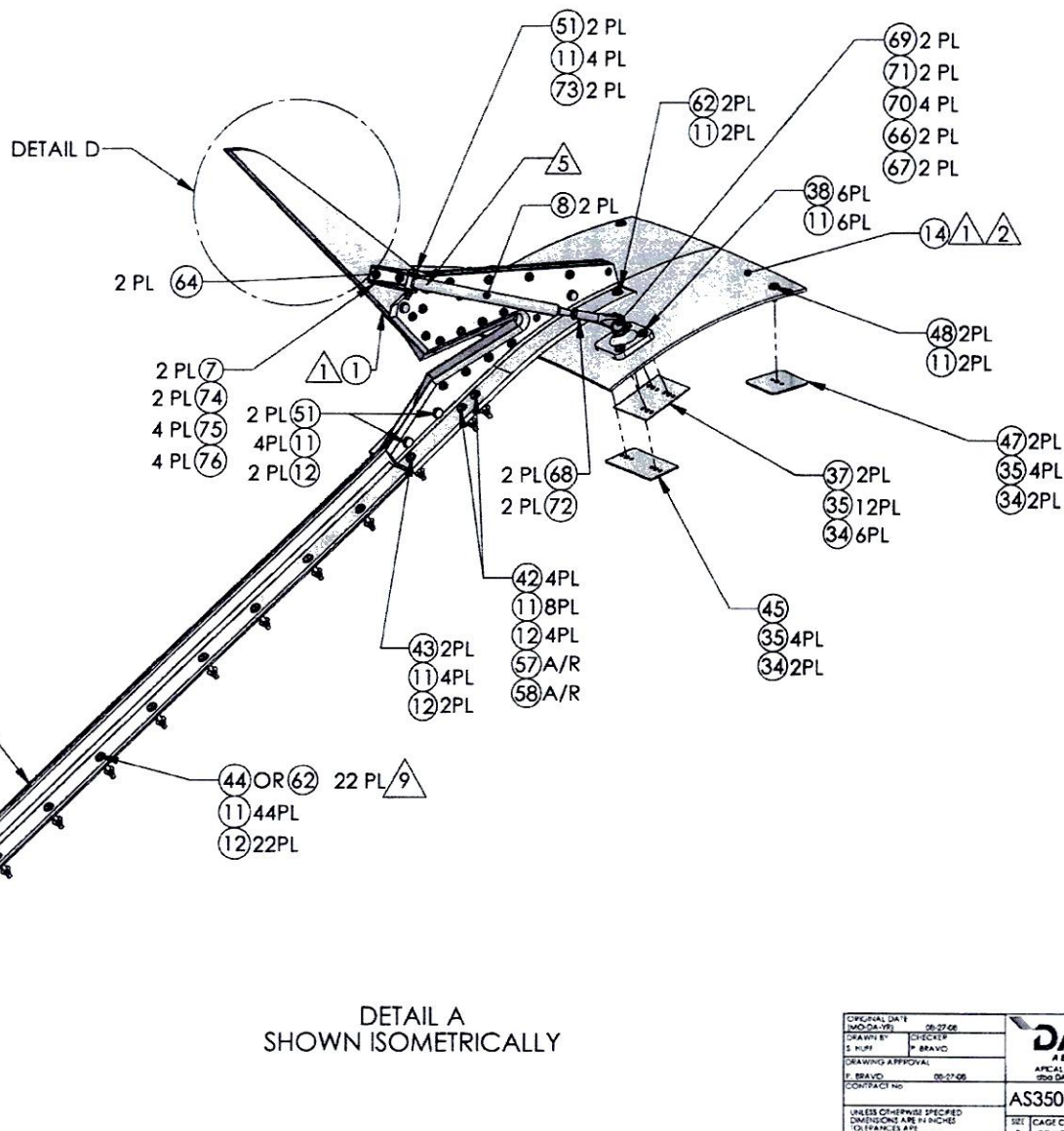
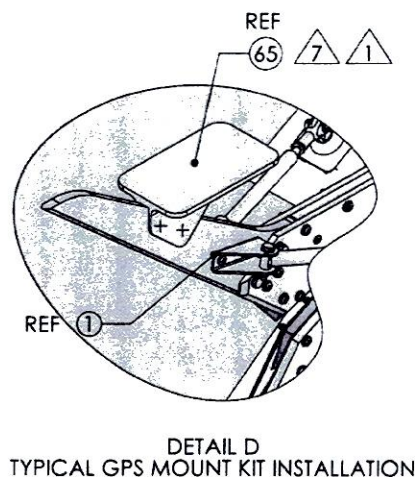
REV	DESCRIPTION	DATE	BY	CHKD
1	REWORK	10/27/04	10/27/04	10/27/04
2	REWORK	10/27/04	10/27/04	10/27/04
3	REWORK	10/27/04	10/27/04	10/27/04

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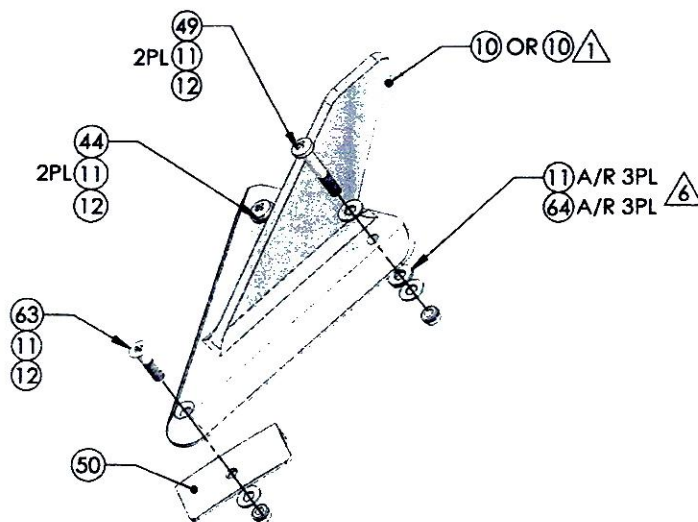
ORIGINAL DATE 1/20/2018 08:27:08		3030 ENTERPRISE CT., SUITE A VISTA, CA, 92081 (760)-724-5300	
DRAWN BY S. HUFF		DART AEROSPACE	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES INC. DSO DART AEROSPACE	
CONTRACT NO.		AS350 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV B	REV C
SCALE NONE		SHEET 2 OF 5	

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ORIGINAL DATE (MOD-DATE)	08-27-08	 DART AEROSPACE APICAL INDUSTRIES INC. DBA DART AEROSPACE	3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760)-724-5300
DRAWN BY S. KUFF	CHECKED P. BRAVO		
DRAWING APPROVAL P. BRAVO	08-27-08		
CONTRACT NO.			
AS350 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMAL: ±.01 3 PLACE DECIMAL: ±.005 ANGLES: ±.5°			
SET	CAGE CODE	DWG. NO.	REV.
8	07M26	646.4000	C
SCALE: NONE		SHEET 3 OF 5	

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DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE AMD. DATE: 08/27/09		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA 92081 (760) 724-5300	
DRAWN BY S. HURT	CHECKED P. BRAVO	APICAL INDUSTRIES, INC. DIA DART AEROSPACE	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SET / CAD / CODE B / 07M26	DWG. NO. 646.4000
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV C	SHEET 5 OF 5
SCALE NONE			

Work Order ID 162142

Friday, May 26, 2017 3:08:46 PM

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item ID: 646.4002

Revision ID:

Item Name: AS350 Wiper Deflector

Start Date: 6/12/2017 Start Qty: 1.00

Required Date: 6/16/2017 Req'd Qty: 1.00

Reference: SCHEDULED/C

Cust Item ID:

Customer:

Run Start *NR1*

Stop *NR2*

Approvals:

Process Plan:

Date: MAY 26 2017

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

646.4000

C1

100

Document Control

DOCUMENT CONTROL

100

DC

Doc. Control -USB or Paperwork

Memo

Photocopy bluefile & type labels per PPP 646.4002

0.00

JUN 06 2017

JUN 12 2017

110

Pick Kit

0.00

110

Packaging

Packaging

Memo

0.00

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

Memo

0.00

CB

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SR02180LA

This Certificate issued to Apical Industries, Inc. dba Dart Aerospace
3030 Enterprise Court, Suite A
Vista, CA 92081

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 27 of the Federal Aviation Regulations.*
*Certification basis is set forth in Type Certificate Data Sheet H9EU.

Original Product Type Certificate Number: H9EU

Make: Eurocopter France

Model: AS350 C, D, D1, B, B1, B2, BA, B3

Description of Type Design Change: Installation of a Cable Cutter Kit in accordance with FAA approved Apical Master Document List, MD350-61, Revision A, dated November 25, 2008, or later FAA approved revision.

Limitations and Conditions: The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. The approval of this modification applies to the above noted aircraft model series only. This approval requires the inspections and overhaul schedules to be performed as mandated by Apical Industries, Inc.'s Instructions for Continued Airworthiness, ICA350-61, Revision N/C, dated November 20, 2008, or later FAA accepted revision. A copy of this STC must be included in the permanent records of the modified aircraft. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 21, 2008

Date reissued: August 7, 2014

Date of issuance: December 16, 2008

Date amended:

By direction of the Administrator



Haifa Haj-Eid
(Signature)

Haifa Haj-Eid
Supervisor, Technical and Administrative
Support Staff
Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

REFERENCE ONLY

REFERENCE ONLY

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NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.
2. INSTALL F/N 14 WITH F/N 52 & 53.
3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.
4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.
5. REUSE FASTENERS FROM F/N 1.
6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.
7. AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.
8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.
9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	UNINCORPORATED				
1	1	1	77	646.9410	SHIM	△				
	4	4	76	601.2764	WASHER	NAS11499B32P				
	2	2	75	601.2973	LOCKNUT	MS21042-08				
	2	2	74	601.2988	SCREW	MS27039-0813				
	2	2	73	601.2943	LOCKNUT	MS21042-3				
	2	2	72	601.3128	NUT	AN316C4R				
	2	2	71	601.3209	LOCKNUT	MS21042-J				
	4	4	70	601.2638	WASHER	NAS11499Q432P				
	2	2	69	601.2669	BOLT	ANAC-7A				
	2	2	68	601.3119	CLEVIS	ATN665-34P				
	2	2	67	601.3121	EYE BOLT	ATN64-5A				
	2	2	66	650.9201	EYE BRACKET ASSY					
REF	REF	REF	65	647.5701	GPS MOUNT KIT	△				
		2	64	601.3151	WASHER	NAS11499Q363P				
		2	63	601.2911	SCREW	MS24694553				
	24	24	62	601.2837	SCREW	MS27039-1-16				
2	2	2	61	601.2763	BOLT	AN3-12A				
	1	1	60	646.3913	SHIM					
	4	4	59	646.3912	SHIM					
	1	1	58	646.3911	SHIM					
	4	4	57	646.3910	SHIM					
	5	5	56	600.1013	PRIMER					
	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PP-1455 CLASS B				
	1	1	53	600.0991	MAGNABOND 6598 PART B	△				
	1	1	52	600.0990	MAGNABOND 6598 PART A	△				
6	10	10	51	601.2826	BOLT	AH3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
	2	2	48	601.1365	SCREW	MS27039-1-10				
	2	2	47	646.3719	DOUBLER					
	2	2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	22	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-20				
	4	4	42	601.1956	SCREW	MS27039-1-21				
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED FROM EPPY 0031, 0271 & 0276	03/04/2010	P. BRAVO
B	INCORPORATED ECN 05304, 0207 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECN 10078	09/09/2015	P. BRAVO

		2		2	41	601.2829	SCREW	MS24694554		
		2		2	40	601.2831	RIVET	MS20426ADS-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2			2	37	646.3715	STRUT DOUBLER			
		2		2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	CC81645-3-02		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS20470ADS-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS20470ADS-6		
1	1			1	28	646.3714	GUSSET			
	1	1		1	27	646.3610	FILLER			
	3	3		3	26	601.2830	SCREW	MS24694555		
	2	2		2	25	601.2825	BOLT	AN3-6A		
	1	1		1	24	646.3811	RADIUS BLOCK			
	1	1		1	23	646.3712	CLIP			
	1	1		1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS20470ADS-5		
14	14			14	20	601.2020	RIVET	CR3713-3-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
1	1	1	1	1	18	601.2827	BOLT	AN3-3A		
5	5			5	17	601.2912	SCREW	MS24694551		
1	1			1	16	646.3713	GUSSET			
1	1			1	15	646.3210	SUPPORT			
	1	1		1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS21042-3	
16	32	18	120	16	144	11	601.1607	WASHER	NAS11499B32P	
				1	10		646.3410	LH WIPER DEFLECTOR		
				1	9		646.3411	RH WIPER DEFLECTOR		
		2		2	8		647.7703	STRUT ASSY		
		2		2	7		647.0112	STRUT BRACKET		
	1	1		1	6		646.3511	STRUT		
	1	1		1	5		646.3510	STRUT		
2		2		2	4		646.3810	BRACKET		
		1		1	3		646.2910	DEFLECTOR		
	1			1	2		646.3001	LOWER CUTTER ASSY		
		1		1	1		646.3301	UPPER CUTTER ASSY		
X							646.4006	LOWER CUTTER FIXED PROVISIONS		
	X						646.4005	LOWER CUTTER REMOVABLE PROVISIONS		
		X					646.4004	FIXED PROVISIONS KIT		
			X				646.4003	CABLE CUTTERS KIT WITH-OUT FIXED PROVISIONS		
				X			646.4002	AS350 WIPER DEFLECTOR KIT		
					X		646.4001	AS350 CABLE CUTTERS KIT		
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE: 08-27-08	
		DESIGNED BY: P. BRAVO	
		CHECKED BY: P. BRAVO	
		DRAWING APPROVAL: P. BRAVO	
		DESIGNED BY: P. BRAVO	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		DIM. 10	
TOLERANCES ARE:		DIM. 10	
3 PLACE DECIMALS: 0.005		DIM. 10	
2 PLACE DECIMALS: 0.010		DIM. 10	
1 PLACE DECIMAL: 0.050		DIM. 10	
ANGLES: 0.5°		DIM. 10	
SCALE: NONE		SHEET 1 OF 5	

DART 3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760)-724-5300

APICAL INDUSTRIES, INC. DBA DART AEROSPACE

AS350 CABLE CUTTERS KIT

REV: 07/16 DIM: 10